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ANALYSIS OF CONTRACTS AWARDED
CALENDAR YEAR 1974

STATE DOCUMENTS

PREPARED BY THE

STATE OF MONTANA
DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

IN COOPERATION WITH THE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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CONTRACT ANALYSES
Calendar Year 1974

FOREWARD

The attached tabulations have been prepared from the Detailed Estimate and Contract Award sheet for all contracts awarded during the calendar year. A brief explanation of each of the following tables is provided to help in the interpretation of the figures and to lessen the possibility of erroneous conclusions.

Table 1 - Summary of New and Reconstructed Roadway only, by County and Financial District.

This table is intended to inform the user of how many actual miles of roadway were let to contract and the costs involved. It includes all items pertinent to the same section of roadway except structures.

Table 1A- Summary of Total Amounts Awarded by County and Financial District.

This table is a total of all miles and costs involved regardless of the type of project. Besides roadway costs, it includes signing, lighting, fencing and bridge projects.

Table 2 - Summary of Roadway Mileage Awarded by Systems.

The table involves the same type of construction as Table 1. Table 2, however, provides a cost per mile figure for the different systems and also provides a simple analysis of benefits by inclusion of the "cost per annual vehicle mile."

Table 3-3A-3B-3C-3D-3E - Summary of Type of Construction.

A separate table has been prepared for each Federal Aid System with all projects classified into 16 different categories. The purpose of this table is to give a general indication of what type of construction is responsible for the major share of monies spent. For example, note the bulk of Interstate monies is spent for New Construction, whereas, the greater share for Primary and Secondary is spent for Reconstruction.

Table 4-4A-4B-4C-4D-4E- Summary by Surface Type by Systems.

These tables indicate the average cost per mile of various items included in a completed roadway by type of surfacing. Caution should be exercised in using the average cost per mile data due to the small sample involved for some cost items. Any cost figure appearing under stage construction bridges is informational only. Bridge stage construction costs are not reflected in the cost per mile or cost per square foot of structures in this table.

Table 5 - Summary of Roadway Mileage Awarded by Number of Traffic Lanes.

This table deals with the same miles and costs involved in Tables 1 and 2.

Table 6-6A-6B-6C-6D-6E - Summary of Structures by Type.

These tables summarize the number of structures let by type and also provide a cost per square foot, by type of structure.

Table 7 - Summary of Contracted and Non-contracted Costs by System.

The non-contracted figure reflects engineering costs only. In some instances contingency costs such as flagging, roadway materials, training etc.,is added to a contract but these costs are not reflected in this report.

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF ROADWAY MILEAGE AWARDED
BY COUNTY AND FINANCIAL DISTRICT
DURING CALENDAR YEAR 1974

THIS TABLE SUMMARIZES ONLY NEW OR RECONSTRUCTED ROADWAY. REFER TO TABLE 1A FOR THE TOTAL AM

TABLE 1

COUNTY AND	INTERSTATE SYSTEM		PRIMARY SYSTEM		URBAN EXTENSION		SECONDARY S	
FINANCIAL DISTRICT	MILES	COST	MILES	COST	MILES	COST	MILES	
PHILLIPS							8.964	
ROOSEVELT			2.019	290,664				
SHERIDAN	-------	-----------	7.620	1,119,785	-------	-----------	-------	---
FD #03			9.639	1,410,449			8.964	
PETROLEUM	-------	-----------	-------	-----------	-------	-----------	2.400	---
FD #05							2.400	
TETON	5.480	2,717,069	-------	-----------	-------	-----------	-------	---
FD #06	5.480	2,717,069						
POWELL	5.345	2,293,029	-------	-----------	-------	-----------	-------	---
FD #08	5.345	2,293,029						
MEAGHER	-------	-----------	6.935	1,766,954	-------	-----------	.889	---
FD #10			6.935	1,766,954			.889	
ROSEBUD	-------	-----------	3.380	1,610,565	-------	-----------	-------	---
FD #12			3.380	1,610,565				
TOTAL	10.825	5,010,093	19.954	4,787,968			12.253	

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU
SUMMARY OF TOTAL AMOUNTS AWARDED BY COUNTY AND FINANCIAL DISTRICT DURING CALENDAR YEAR 1974
TABLE 1A

COUNTY AND FINANCIAL DISTRICT	INTERSTATE SYSTEM		PRIMARY SYSTEM		URBAN EXTENSION		SECONDARY SY	
	MILES	COST	MILES	COST	MILES	COST	MILES	
FLATHEAD			.142	73,568				
FD #01			.142	73,568				
HILL								
TOOLE	.429	1,487,575						
FD #02	.429	1,487,575						
DANIELS				6,514				
PHILLIPS							8.964	
ROOSEVELT			2.019	290,664				
SHERIDAN			7.620	1,461,221			5.491	
VALLEY				13,044				
FD #03			9.639	1,771,443			14.455	1,
DAWSON		209,274		11,108				
MC CONE								
PRAIRIE		2,167,614						
WIBAUX				3,341				
FD #04		2,376,888		14,449				
FERGUS				34,867		111,219		
PETROLEUM							2.400	
FD #05				34,867		111,219	2.400	
CASCADE							18.238	
JUDITH BASIN				14,018				
PONDERA		246,577						
TETON	5.480	2,944,371						
FD #06	5.480	3,190,948		14,018			18.238	
BROADWATER		40,667		12,079				
JEFFERSON		2,699,016		43,553				
LEWIS & CLARK		184,161		106,589		72,003		
FD #07		2,923,844		162,221		72,003		
GRANITE				21,027				
MINERAL		308,536						
MISSOULA	.564	2,818,304		2,659				1,
POWELL	5.345	2,431,700		4,313				
RAVALLI				39,542				
SANDERS								
FD #08	5.909	5,558,540		67,541				1,

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF ROADWAY MILEAGE AWARDED BY SYSTEMS
DURING CALENDAR YEAR 1974

THIS TABLE SUMMARIZES ONLY NEW OR RECONSTRUCTED ROADWAYS

TABLE 2

MARCH 10, 1975

SYSTEM	MILEAGE	TOTAL COST	COST PER MILE	ANNUAL VEHICLE MILES	COST PER ANNUAL VEHICLE MILE
RURAL					
INTERSTATE RURAL	10.825	5,010,098	462,826	11,220,830	00.446
PRIMARY RURAL	19.954	4,787,968	239,950	3,379,900	01.416
SECONDARY RURAL	12.253	1,673,466	136,576		00.000
OTHER					00.000
SUBTOTAL RURAL	43.032	11,471,532	266,581	14,600,730	00.785
URBAN					
INTERSTATE URBAN					00.000
URBAN EXTENSION					00.000
FA URBAN					00.000
OTHER					00.000
SUBTOTAL URBAN					00.000
GRAND TOTAL	43.032	11,471,532	266,581	14,600,730	00.785

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION DURING CALENDAR YEAR 1974 BY SYSTEM

TABLE 3

MARCH 10, 1975

TYPE OF CONSTRUCTION	INTERSTATE	
	MILES	COST
RURAL		
NEW CONSTRUCTION	10.825	5,010,098
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		7,652,560
RESURFACE	17.100	1,325,289
STAGE CONSTRUCTION, ROADWAY	33.575	8,807,371
TRAFFIC CONTROL		
REST AREA		710,799
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		1,692,400
SAFETY		3,140,620
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		475,214
TOTAL		28,814,351

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3

MARCH 10, 1975

TYPE OF CONSTRUCTION	INTERSTATE	
	MILES	COST
URBAN		
NEW CONSTRUCTION		
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		
RESURFACE		
STAGE CONSTRUCTION, ROADWAY		
TRAFFIC CONTROL		4,887
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY		
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		10,464
TOTAL		15,351

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION DURING CALENDAR YEAR 1974 BY SYSTEM

TABLE 3

MARCH 10, 1975

TYPE OF CONSTRUCTION	INTERSTATE	
	MILES	COST
ALL CONSTRUCTION		
NEW CONSTRUCTION	10.825	5,010,098
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		7,652,560
RESURFACE	17.100	1,325,289
STAGE CONSTRUCTION, ROADWAY	33.575	8,807,371
TRAFFIC CONTROL		4,887
REST AREA		710,799
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		1,692,400
SAFETY		3,140,620
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		485,678
TOTAL		28,829,702

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION DURING CALENDAR YEAR 1974 BY SYSTEM

TABLE 3A

MARCH 10, 1975

TYPE OF CONSTRUCTION	PRIMARY RURAL	
	MILES	COST
RURAL		
NEW CONSTRUCTION		
RECONSTRUCTION	19.954	4,787,968
ADD TWO LANES		
MAJOR STRUCTURES		417,912
RESURFACE	.142	73,568
STAGE CONSTRUCTION, ROADWAY		
TRAFFIC CONTROL		538,639
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY		4,680
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		91,851
TOTAL		5,914,618

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3B

MARCH 10, 1975

TYPE OF CONSTRUCTION	URBAN EXTENSION	
	MILES	COST
URBAN		
NEW CONSTRUCTION		
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		
RESURFACE	.107	261,750
STAGE CONSTRUCTION, ROADWAY		
TRAFFIC CONTROL		197,249
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY	.434	448,548
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		
TOTAL		907,547

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3C

MARCH 10, 1975

TYPE OF CONSTRUCTION	SECONDARY RURAL	
	MILES	COST
RURAL		
NEW CONSTRUCTION	.889	229,360
RECONSTRUCTION	11.364	1,444,106
ADD TWO LANES		
MAJOR STRUCTURES		1,980,632
RESURFACE	18.238	698,004
STAGE CONSTRUCTION, ROADWAY	5.491	144,244
TRAFFIC CONTROL		92,643
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY		66,387
LANDSCAPING		
FENCING		
SEAL AND COVER		72,436
WEIGH STN & SCENIC OVERLOOK		
OTHER		283,344
TOTAL		5,011,156

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3D

MARCH 10, 1975

TYPE OF CONSTRUCTION	F.A. URBAN	
	MILES	COST
URBAN		
NEW CONSTRUCTION		
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		
RESURFACE		
STAGE CONSTRUCTION, ROADWAY		
TRAFFIC CONTROL		487,525
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY		
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		265,998
TOTAL		753,523

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3E

MARCH 10, 1975

TYPE OF CONSTRUCTION	OTHER	
	MILES	COST
RURAL		
NEW CONSTRUCTION		
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		
RESURFACE		
STAGE CONSTRUCTION, ROADWAY		
TRAFFIC CONTROL		
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY		
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		691,840
TOTAL		691,840

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3E

MARCH 10, 1975

TYPE OF CONSTRUCTION	OTHER	
	MILES	COST
URBAN		
NEW CONSTRUCTION		
RECONSTRUCTION		
ADD TWO LANES		
MAJOR STRUCTURES		
RESURFACE		
STAGE CONSTRUCTION, ROADWAY		
TRAFFIC CONTROL		
REST AREA		
WIDENING ROADWAY		
STAGE CONSTRUCTION, MAJOR STRUCTURES		
SAFETY		
LANDSCAPING		
FENCING		
SEAL AND COVER		
WEIGH STN & SCENIC OVERLOOK		
OTHER		59,265
TOTAL		59,265

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF TYPE OF CONSTRUCTION
DURING CALENDAR YEAR 1974
BY SYSTEM
TABLE 3E

MARCH 10, 1975

TYPE OF CONSTRUCTION	OTHER	
	MILES	COST
ALL CONSTRUCTION		
NEW CONSTRUCTION------------------------------		
RECONSTRUCTION--------------------------------		
ADD TWO LANES---------------------------------		
MAJOR STRUCTURES------------------------------		
RESURFACE-------------------------------------		
STAGE CONSTRUCTION, ROADWAY-------------------		
TRAFFIC CONTROL-------------------------------		
REST AREA-------------------------------------		
WIDENING ROADWAY------------------------------		
STAGE CONSTRUCTION, MAJOR STRUCTURES----------		
SAFETY--		
LANDSCAPING-----------------------------------		
FENCING---------------------------------------		
SEAL AND COVER--------------------------------		
WEIGH STN & SCENIC OVERLOOK-------------------		
OTHER---		751,105
TOTAL		751,105

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY BY SURFACE TYPE
DURING CALENDAR YEAR 1974
TABLE 4 INTERSTATE SYSTEM MARCH 10, 1975

COST ITEM		STAGE CONSTR. (GRAVEL)	SURFACE TYPE BITUM. MIX	CONCRETE	MISC. ITEMS
GRADING	MILES	16.236	45.264		
	COST	3,461,216	1,675,754		458,695
	COST/MILE	213,181	37,021		
DRAINAGE	MILES	16.144	16.735		
	COST	742,840	474,695		207,492
	COST/MILE	46,013	28,365		
FOUNDATION	MILES	15.151	45.264		
	COST	21,430	2,369,197		174,498
	COST/MILE	1,414	52,341		
SURFACING	MILES	15.151	45.264		
	COST	33,923	4,514,287		323,205
	COST/MILE	2,238	99,732		
RDSIDE DEVEL.	MILES				
	COST				593,905
	COST/MILE				
EROSION CTL.	MILES	16.236	45.264		
	COST	960,867	128,843		194,247
	COST/MILE	59,181	2,846		
TRAFFIC CTL.	MILES	15.807	45.264		
	COST	9,000	488,292		1,779,834
	COST/MILE	569	10,787		
FENCING	MILES	15.807	16.735		
	COST	193,746	157,944		36,393
	COST/MILE	12,256	9,437		
MISC.	MILES	7.893	45.264		
	COST	65,438	320,500		98,501
	COST/MILE	8,290	7,080		
BRIDGES	SQ. FEET				238,109
	COST	1,692,400			7,652,560
	COST/SQ. FOOT				32.138
ALL ITEMS	MILES	16.236	45.264		
	COST	5,488,460	10,129,512		11,519,330
	COST/MILE	338,042	223,787		

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY BY SURFACE TYPE
DURING CALENDAR YEAR 1974

TABLE 4A — PRIMARY SYSTEM — MARCH 10, 1975

COST ITEM		SURFACE TYPE			MISC. ITEMS
		GRAVEL	BITUM. MIX	CONCRETE	
GRADING	MILES		20.096		
	COST		1,292,145		
	COST/MILE		64,298		
DRAINAGE	MILES		20.096		
	COST		537,491		
	COST/MILE		26,746		
FOUNDATION	MILES		20.096		
	COST		979,319		
	COST/MILE		48,732		
SURFACING	MILES		20.096		
	COST		1,264,174		
	COST/MILE		62,906		
RDSIDE DEVEL.	MILES		3.522		
	COST		3,679		
	COST/MILE		1,044		
EROSION CTL.	MILES		20.096		
	COST		315,128		10,960
	COST/MILE		15,681		
TRAFFIC CTL.	MILES		19.954		
	COST		171,441		529,363
	COST/MILE		8,591		
FENCING	MILES		19.954		
	COST		165,600		490
	COST/MILE		8,299		
MISC.	MILES		20.096		
	COST		211,960		14,956
	COST/MILE		10,547		
BRIDGES	SQ. FEET				9,632
	COST				417,912
	COST/SQ. FOOT				43.387
ALL ITEMS	MILES		20.096		
	COST		4,940,937		973,681
	COST/MILE		245,866		

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY BY SURFACE TYPE
DURING CALENDAR YEAR 1974

TABLE 4B URBAN EXTENSION MARCH 10, 1975

COST ITEM		SURFACE TYPE GRAVEL	BITUM. MIX	CONCRETE	MISC. ITEMS
GRADING	MILES		.541		
	COST		32,569		
	COST/MILE		60,201		
DRAINAGE	MILES		.541		
	COST		261,091		
	COST/MILE		482,608		
FOUNDATION	MILES		.541		
	COST		130,573		
	COST/MILE		241,354		
SURFACING	MILES		.541		
	COST		102,374		
	COST/MILE		189,231		
RDSIDE DEVEL.	MILES		.541		
	COST		35,422		
	COST/MILE		65,475		
EROSION CTL.	MILES		.541		
	COST		2,500		
	COST/MILE		4,621		
TRAFFIC CTL.	MILES		.541		
	COST		125,769		193,015
	COST/MILE		232,475		
MISC.	MILES		.541		
	COST		20,000		4,234
	COST/MILE		36,968		
BRIDGES	SQ. FEET				
	COST				
	COST/SQ. FOOT				
ALL ITEMS	MILES		.541		
	COST		710,298		197,249
	COST/MILE		1,312,935		

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY BY SURFACE TYPE
DURING CALENDAR YEAR 1974

TABLE 4C

SECONDARY SYSTEM

MARCH 10, 1975

COST ITEM		SURFACE TYPE			MISC.
		GRAVEL	BITUM. MIX	CONCRETE	ITEMS
RADING	MILES	2.400	9.853		
	COST	196,303	319,434		17,806
	COST/MILE	81,792	32,419		
RAINAGE	MILES	2.400	9.853		
	COST	60,624	36,765		133,077
	COST/MILE	25,260	3,731		
OUNDATION	MILES	2.400	15.344		
	COST	53,774	235,466		3,553
	COST/MILE	22,405	15,345		
URFACING	MILES	2.400	33.582		
	COST	79,218	1,247,386		3,075
	COST/MILE	33,007	37,144		
ROSION CTL.	MILES	2.400	33.582		
	COST	74,129	32,967		101,262
	COST/MILE	30,887	981		
RAFFIC CTL.	MILES	2.400	33.582		
	COST	22,397	69,221		106,105
	COST/MILE	9,332	2,061		
ENCING	MILES	2.400	9.853		
	COST	15,445	84,293		200
	COST/MILE	6,435	8,555		
ISC.	MILES	2.400	33.582		
	COST	33,500	75,500		29,024
	COST/MILE	13,958	2,248		
RIDGES	SQ. FEET				52,436
	COST				1,980,632
	COST/SQ. FOOT				37.772
LL ITEMS	MILES	2.400	33.582		
	COST	535,390	2,101,032		2,374,734
	COST/MILE	223,079	62,564		

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY BY SURFACE TYPE
DURING CALENDAR YEAR 1974

TABLE 4D
F.A. URBAN
MARCH 10, 1975

COST ITEM		SURFACE TYPE GRAVEL	 BITUM. MIX	 CONCRETE	MISC. ITEMS
GRADING	MILES				
	COST				24,776
	COST/MILE				
DRAINAGE	MILES				
	COST				215,952
	COST/MILE				
FOUNDATION	MILES				
	COST				24,603
	COST/MILE				
SURFACING	MILES				
	COST				61,047
	COST/MILE				
RDSIDE DEVEL.	MILES				
	COST				5,966
	COST/MILE				
TRAFFIC CTL.	MILES				
	COST				392,579
	COST/MILE				
MISC.	MILES				
	COST				28,600
	COST/MILE				
BRIDGES	SQ. FEET				
	COST				
	COST/SQ. FOOT				
ALL ITEMS	MILES				
	COST				753,523
	COST/MILE				

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY BY SURFACE TYPE
DURING CALENDAR YEAR 1974

TABLE 4E

OTHER

MARCH 10, 1975

COST ITEM		SURFACE TYPE GRAVEL	BITUM. MIX	CONCRETE	MISC. ITEMS
GRADING	MILES				
	COST		290,396		
	COST/MILE				
DRAINAGE	MILES				
	COST		59,035		
	COST/MILE				
FOUNDATION	MILES				
	COST		123,651		
	COST/MILE				
SURFACING	MILES				
	COST		141,774		
	COST/MILE				
RDSIDE DEVEL.	MILES				
	COST		2,142		
	COST/MILE				
EROSION CTL.	MILES				
	COST		41,216		
	COST/MILE				
TRAFFIC CTL.	MILES				
	COST		57,079		
	COST/MILE				
FENCING	MILES				
	COST		9,912		
	COST/MILE				
MISC.	MILES				
	COST		25,900		
	COST/MILE				
BRIDGES	SQ. FEET				
	COST				
	COST/SQ. FOOT				
ALL ITEMS	MILES				
	COST		751,105		
	COST/MILE				

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF ROADWAY MILEAGE AWARDED BY NUMBER OF TRAFFIC LANES
DURING CALENDAR YEAR 1974
TABLE 5

MARCH 10, 1975

NO. LANES	MILES	COST	COST/MILE
INTERSTATE SYSTEM			
2			
4	10.825	5,010,098	462,826
TOTAL	10.825	5,010,098	462,826
PRIMARY SYSTEM			
2	19.954	4,787,968	239,950
4			
TOTAL	19.954	4,787,968	239,950
SECONDARY SYSTEM			
2	12.253	1,673,466	136,576
4			
TOTAL	12.253	1,673,466	136,576
ALL SYSTEMS			
2	32.207	6,461,434	200,622
4	10.825	5,010,098	462,826
TOTAL	43.032	11,471,532	266,581

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU
SUMMARY OF STRUCTURES BY TYPE
DURING CALENDAR YEAR 1974

TABLE 6 INTERSTATE SYSTEM MARCH 10, 1975

BRIDGE TYPE	CODE	NO. OF STRUCTURES	SQ. FT. STRUCTURES	TOTAL COST	COST / SQ. FOOT
ONC. SLAB	X020	1	11,172	304,136	27.223
	X220	2	22,908	629,410	27.475
TEEL GIRD.	X031	1	1,056	21,589	20.444
TEEL-CONC. GIRD	X041 STAGE	1		1,692,400	
OMP. S/C GIRD.	X071	2	67,116	2,804,544	41.786
ONC. PRESTR. GIRD.	X081	2	56,936	1,763,859	30.979
	X281	5	69,833	1,882,445	26.956
	X781	1	9,088	246,577	27.132
OTALS: INCLUDES STAGE		15		9,344,960	
OTALS: EXCLUDES STAGE		14	238,109	7,652,560	32.138
OTAL BRIDGE STAGE		1		1,692,400	

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU
SUMMARY OF STRUCTURES BY TYPE
DURING CALENDAR YEAR 1974

TABLE 6A PRIMARY SYSTEM MARCH 10, 1975

BRIDGE TYPE	CODE	NO. OF STRUCTURES	SQ. FT. STRUCTURES	TOTAL COST	COST / SQ. FOOT
NC. PRESTR. GIRD.	X081	2	9,632	417,912	43.387
TALS: INCLUDES STAGE		2		417,912	
TALS: EXCLUDES STAGE		2	9,632	417,912	43.387
TAL BRIDGE STAGE					

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU
SUMMARY OF STRUCTURES BY TYPE
DURING CALENDAR YEAR 1974

TABLE 6C SECONDARY SYSTEM MARCH 10, 1975

BRIDGE TYPE	CODE	NO. OF STRUCTURES	SQ. FT. STRUCTURES	TOTAL COST	COST / SQ. FOOT
CONC. PRESTR. GIRD.	X081	4	52,436	1,980,632	37.772
TOTALS: INCLUDES STAGE		4		1,980,632	
OTALS: EXCLUDES STAGE		4	52,436	1,980,632	37.772
OTAL BRIDGE STAGE					

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU
SUMMARY OF STRUCTURES BY TYPE
DURING CALENDAR YEAR 1974

TABLE 6E
ALL SYSTEMS
MARCH 10, 1975

BRIDGE TYPE	CODE	NO. OF STRUCTURES	SQ. FT. STRUCTURES	TOTAL COST	COST / SQ. FOOT
NC. SLAB	X020	1	11,172	304,136	27.223
	X220	2	22,908	629,410	27.475
EEL GIRD.	X031	1	1,056	21,589	20.444
EEL-CONC. GIRD	X041 STAGE	1		1,692,400	
MP. S/C GIRD.	X071	2	67,116	2,804,544	41.786
NC. PRESTR. GIRD.	X081	8	119,004	4,162,403	34.977
	X281	5	69,833	1,882,445	26.956
	X781	1	9,088	246,577	27.132
TALS: INCLUDES STAGE		21		11,743,504	
TALS: EXCLUDES STAGE		20	300,177	10,051,104	33.483
TAL BRIDGE STAGE		1		1,692,400	

STATE OF MONTANA DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU

SUMMARY OF CONTRACTED AND NON-CONTRACTED COSTS BY SYSTEM DURING CALENDAR YEAR 1974

TABLE 7

MARCH 10, 1975

SYSTEM	CONTRACTED COST	NON CONTRACTED COST	TOTAL
NTERSTATE	$ 28,829,702	$ 2,906,981	$ 31,736,683
RIMARY	$ 5,914,618	$ 892,696	$ 6,807,314
RBAN EXTENSION	$ 907,547	$ 136,379	$ 1,043,926
ECONDARY	$ 5,011,156	$ 755,998	$ 5,767,154
.A. URBAN	$ 753,523	$ 113,019	$ 866,542
THER	$ 751,105	$ 85,258	$ 836,363
TOTAL	$ 42,167,651	$ 4,890,331	$ 47,057,982